

SYSTEM AND METHOD FOR MANAGING VIDEO NETWORK DEVICES

ABSTRACT OF THE INVENTION

A video network platform manages video network devices with management applications, such as scheduling, monitoring and diagnostics applications, by representing the devices as interface objects that support a network interface module, and application objects used by the management applications and created by an adapter engine that creates an application object for each corresponding video network device interface object. A network interface module associated with the video network platform invokes the adapter engine to create an application object associated with a device. The application object uses its dynamic attribute query capabilities to build an interface object in the network interface module and thus obtain device attributes such as device address information. The application module populates itself with device information for supporting management applications, thus allowing conventional network interface modules to cooperate with application specific objects.